The Principles of Clustering

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Introduction to Machine Learning

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White board time! Developing
the K-means algorithm

WHITE BOARD TIME!

What Is A Good Clustering?

- **Criterion**: A *good* clustering will produce high quality clusters in which:
  - Intra-class/cluster similarity is high
  - Inter-class/cluster similarity is low
  - Measured quality of a clustering depends on both pattern representation and similarity measure used

QUESTIONS?